

VENTURA WATER

WATER & WASTEWATER RATE STUDY

Citizen Advisory Committee Meeting #4

December 11, 2013



Agenda

- Key Assumptions
 - Account/Usage Growth rates
 - Inflation Factors
 - Other Assumptions
- Scenarios Recap
- Proposed Water and Wastewater Rates
 - Scenario B
 - Scenario B-2
 - Customer Impacts
- Next Steps

Key Assumptions

- Account/Usage Growth Rates – Water
 - Residential – 0.5% per year
 - Commercial – 0.5% per year
 - All other accounts – 0% per year
- Account/Usage Growth Rates – Wastewater
 - Residential – 0.5% per year
 - Commercial Groups 1 through 6 – 0.5% per year
 - Recycled water (usage only) – 10% per year starting FY 2015
 - All other accounts – 0% per year

Key Assumptions

- Inflation Factors
 - General – 3% per year
 - Salaries – 3% in FY 2015, 2% per year thereafter
 - Benefits – 5% per year
 - Utilities – 6.7% in FY 2015, 5% per year thereafter
 - Chemicals – 5% per year
 - Capital – ~2.3% per year
- Right of Way Fee – proposed fixed fees
- Interest Earnings Rate – 1% in FY 2014, increasing 0.25% per year
- Proposed Debt – 5.5% interest rate for 30 years

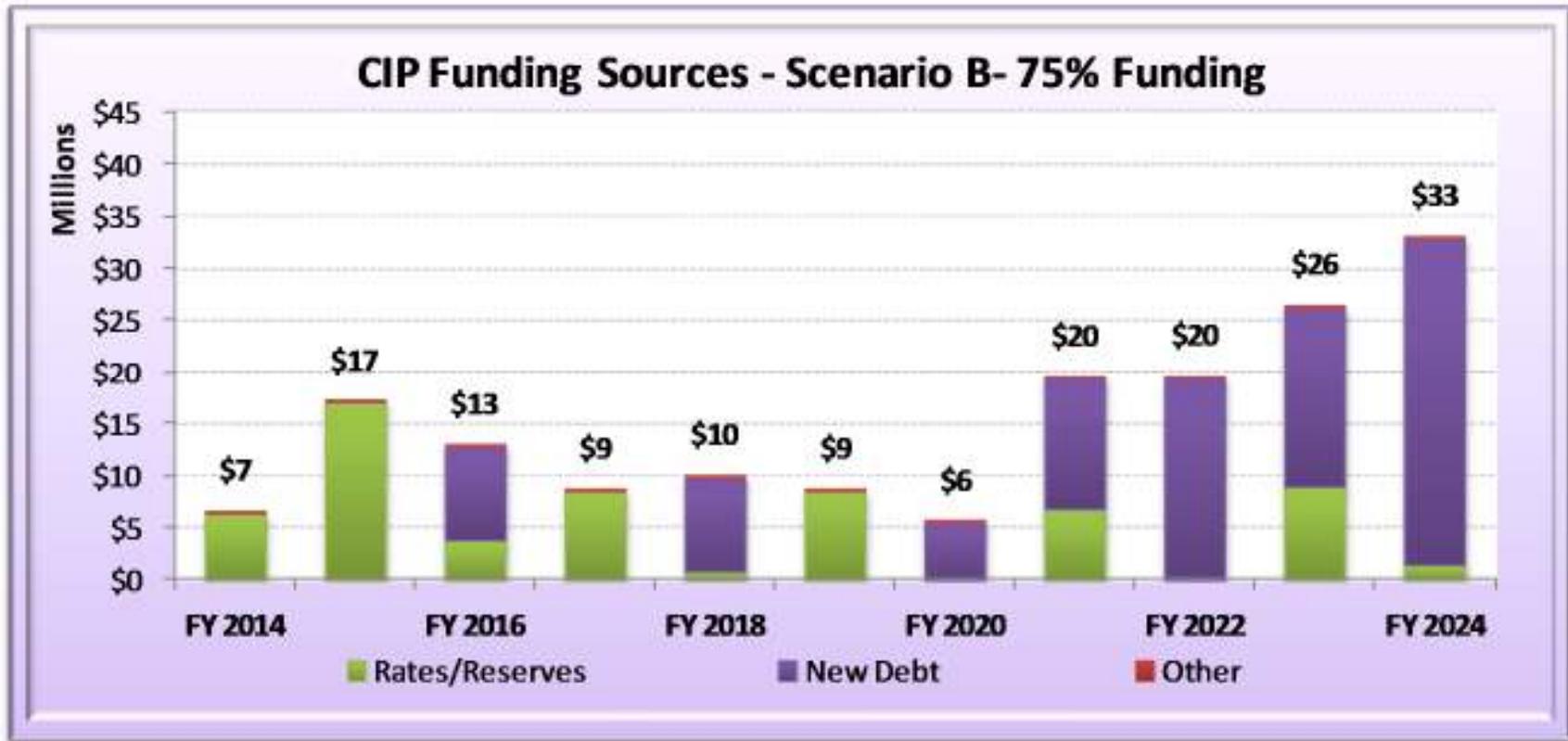
Key Assumptions

- Conservation Factor (Water) – 2% per year reduction up to FY 2016, 1% per year reduction thereafter
- Conservation Factor (WW) – 1% per year reduction
- Water Loss Estimate – 10%
 - Projected sales/ projected production = loss
 - Includes leaks and maintenance, fire, historical water service, i.e. Alta Mutual

Water Scenarios

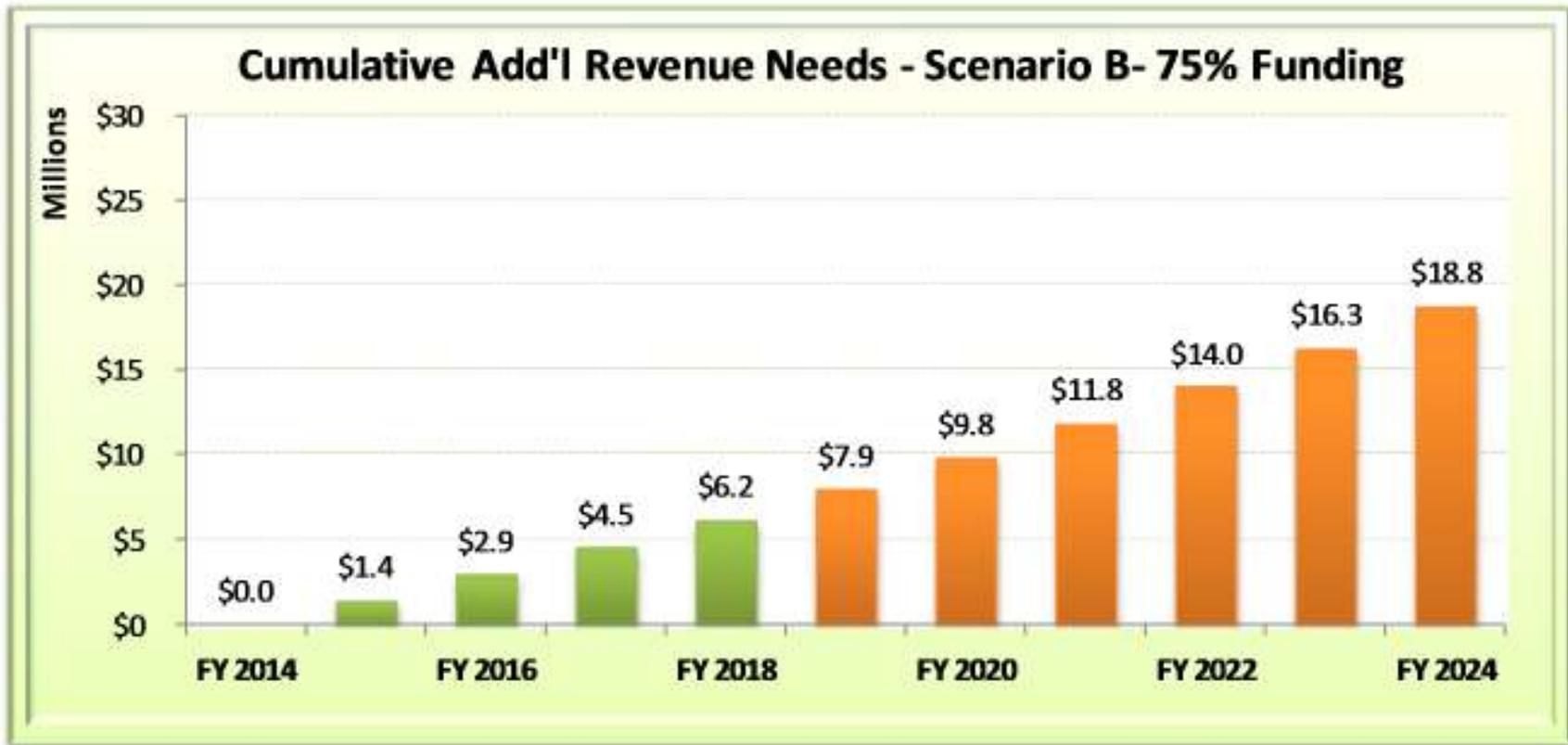
- Scenario A – 100% CIP Funding
 - Carryover 25% of CIP from year to year
- Scenario B & B2 – 75% CIP Funding
 - No carryover
 - Difference between B and B2 is the percentage of debt funding , 69% vs, 50% debt, respectively
- Scenario C – Cost Sharing at 75% Funding
 - Direct Potable Reuse option
 - Estimated costs sharing between Water and Wastewater

Water Scenario B CIP – 75% Funding

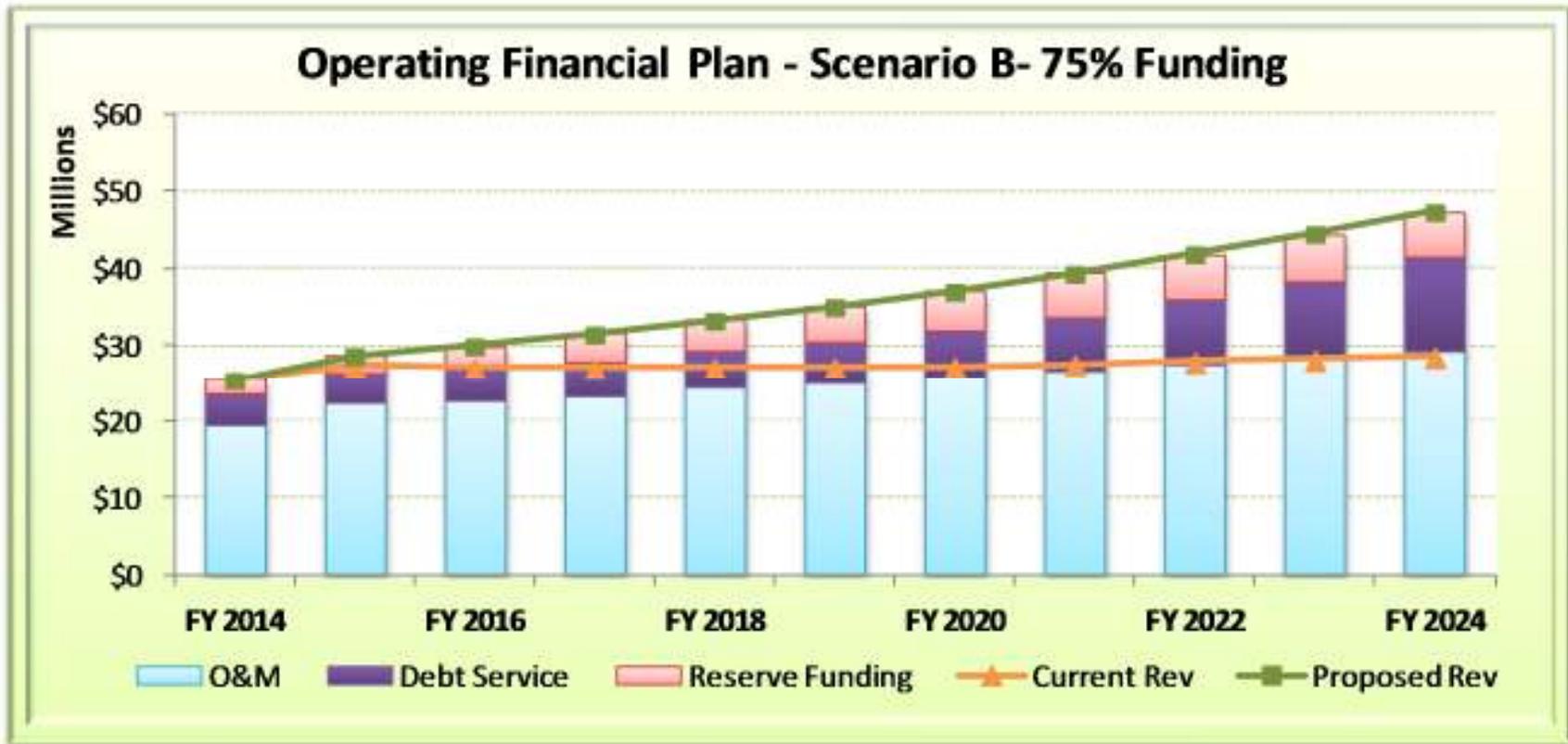


Total CIP = \$167.8M Proposed debt funding percentage – 69% of CIP

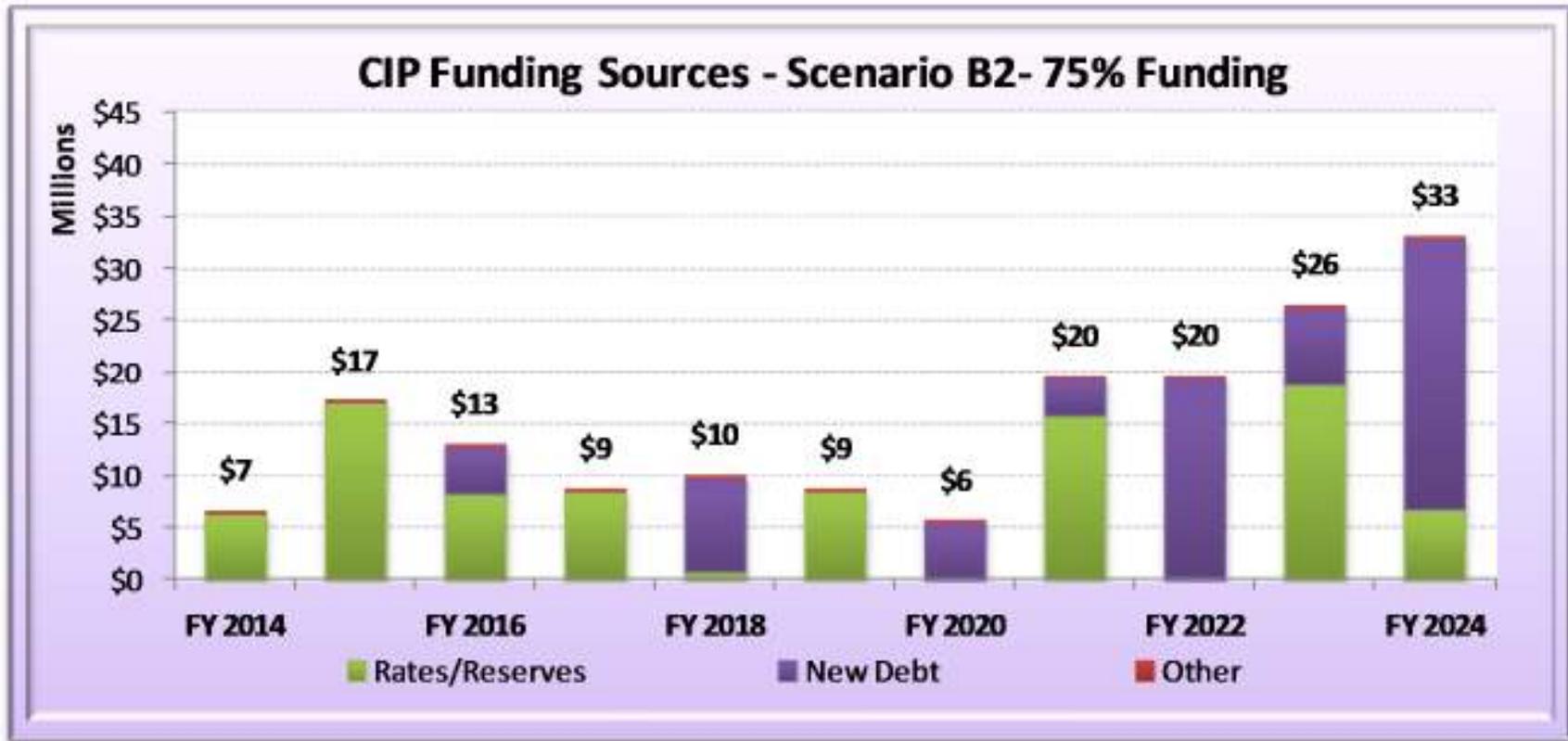
Water Scenario B – Revenue Adjustments



Water Scenario B – Operating FP



Water Scenario B2 CIP – 75% Funding

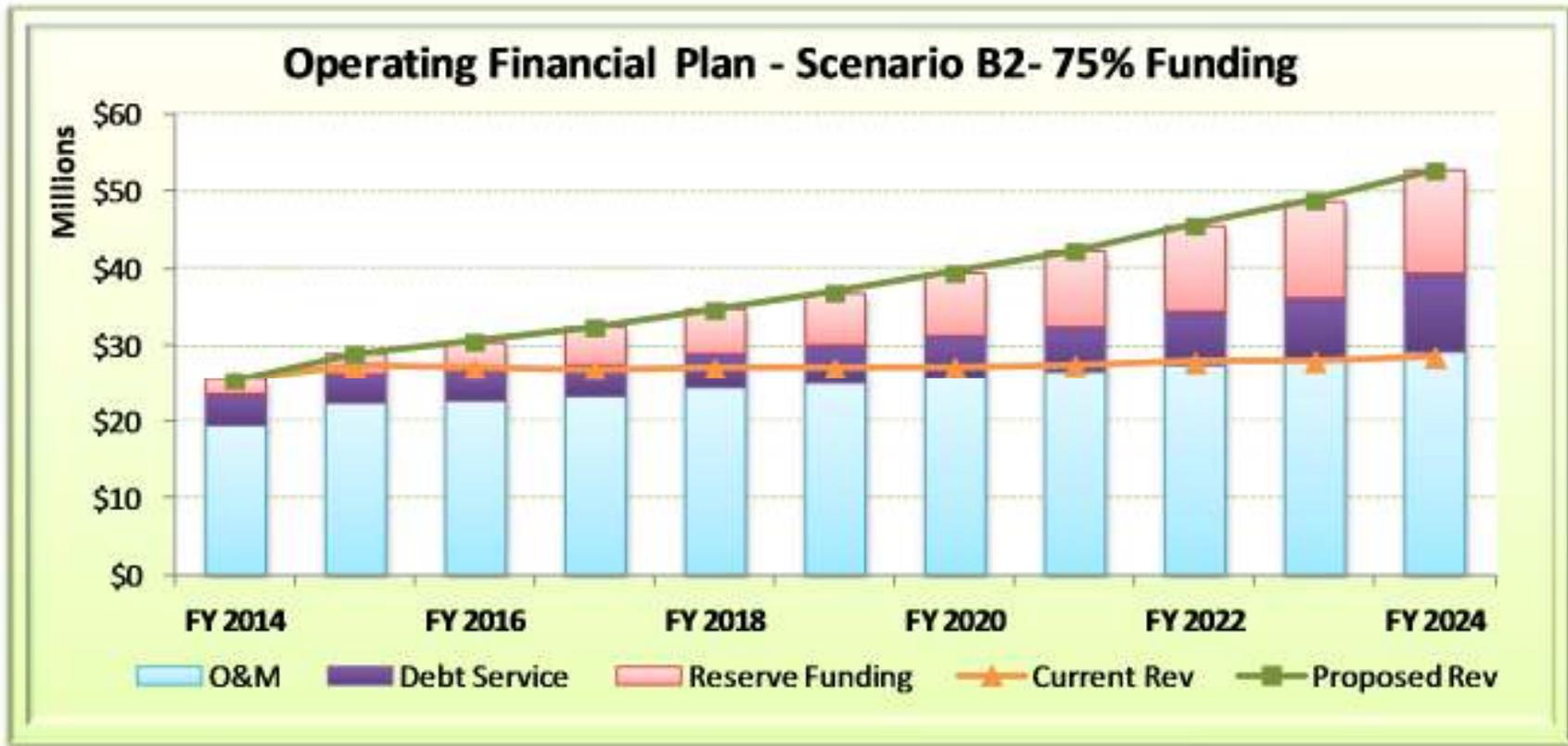


Total CIP = \$167.8M Proposed debt funding percentage – 50% of CIP

Water Scenario B2 – Revenue Adjustments



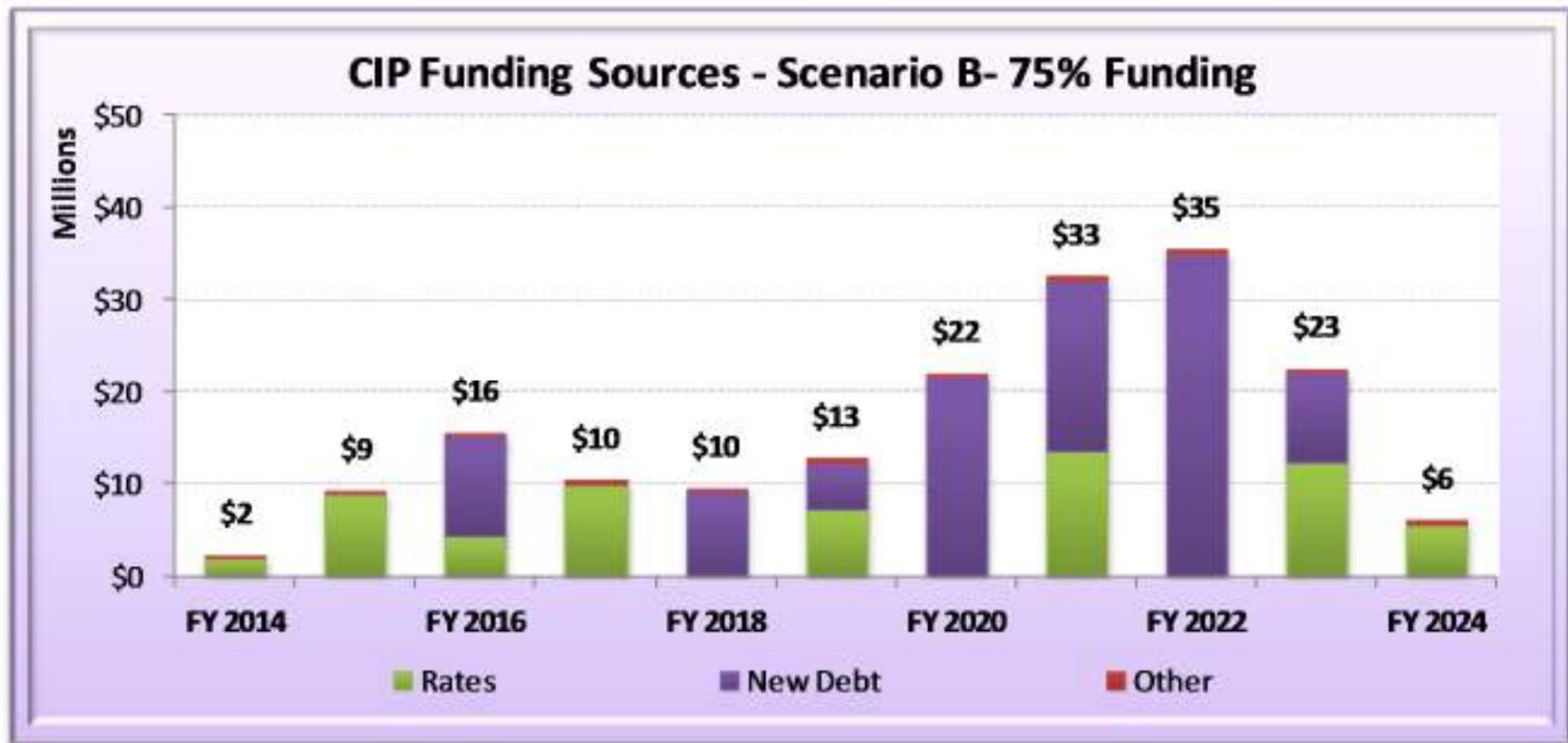
Water Scenario B2 – Operating FP



Wastewater Scenarios

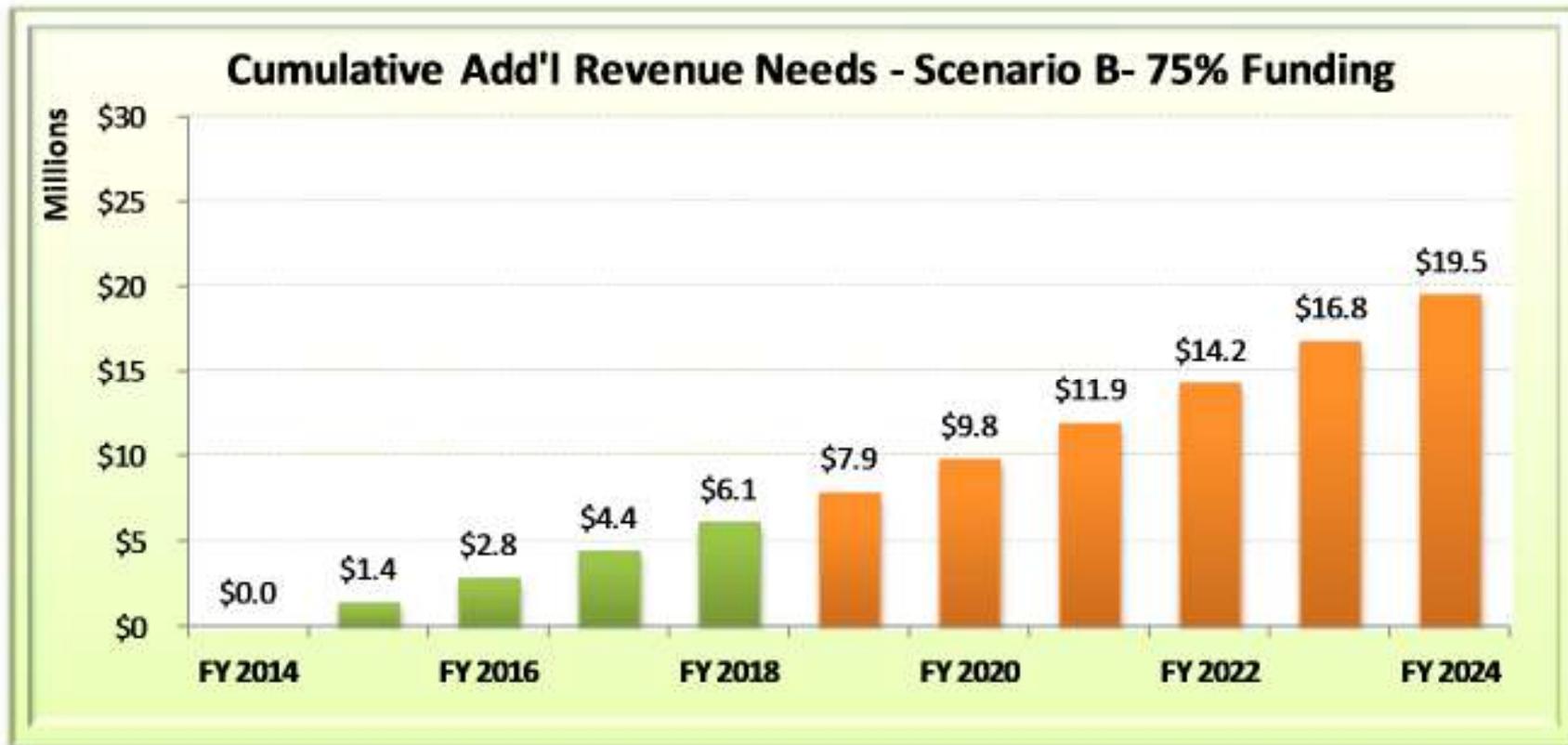
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 - Difference between B and B2 is the percentage of debt funding, 69% vs, 50% debt, respectively
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 - Estimated costs sharing between Water and Wastewater

WW Scenario B CIP – 75% Funding

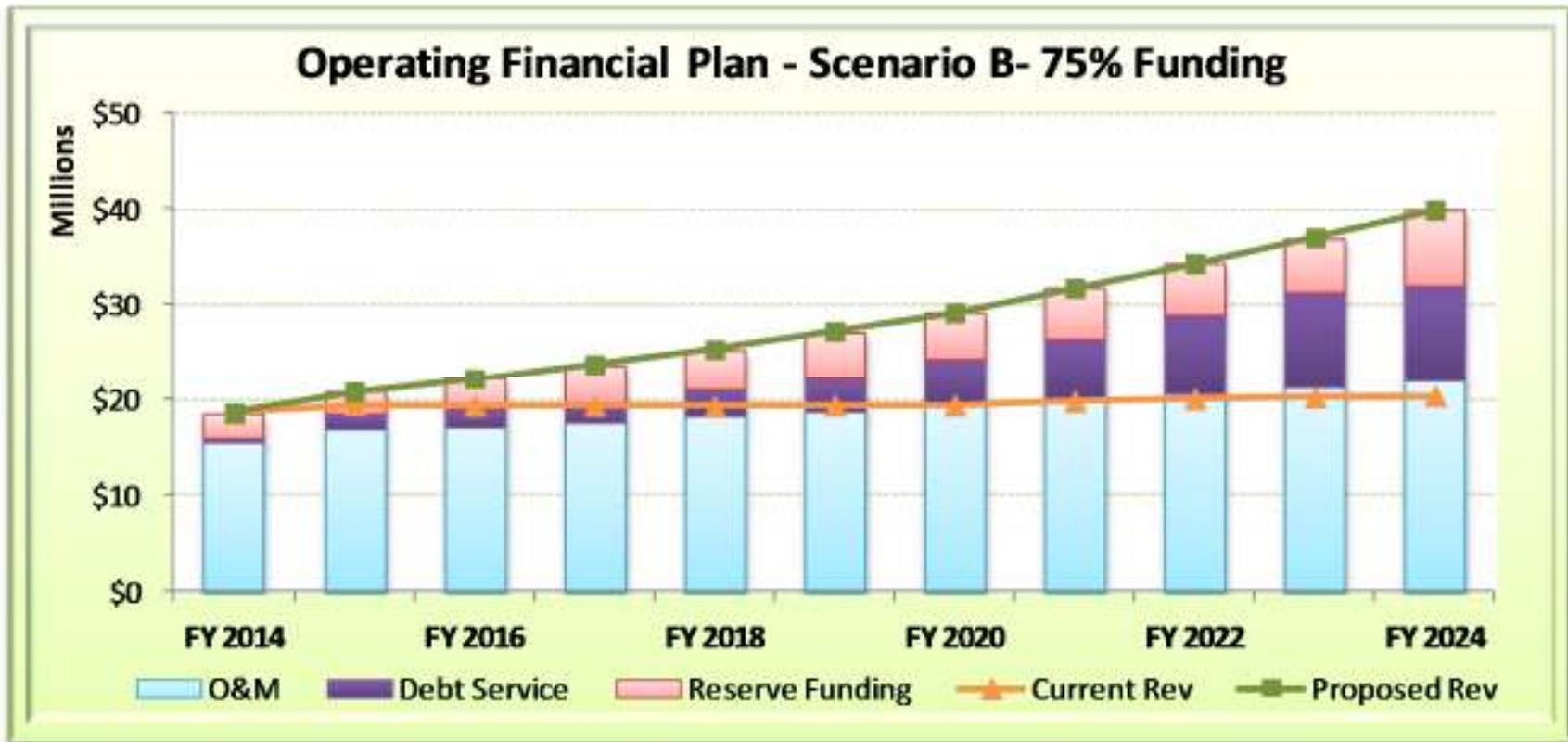


Total CIP = \$178.4M Proposed debt funding percentage – 69% of CIP

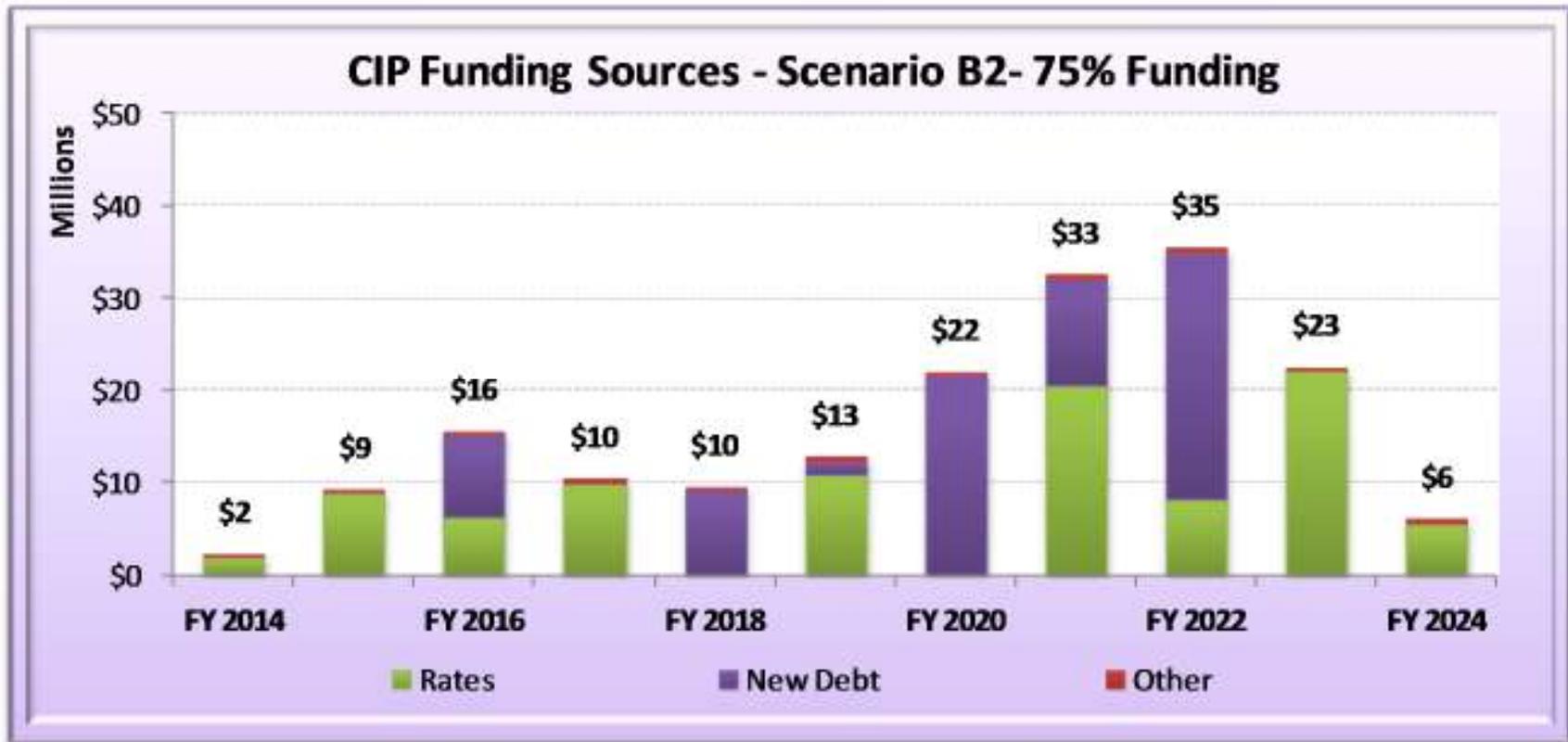
WW Scenario B – Revenue Adjustments



WW Scenario B – Operating FP

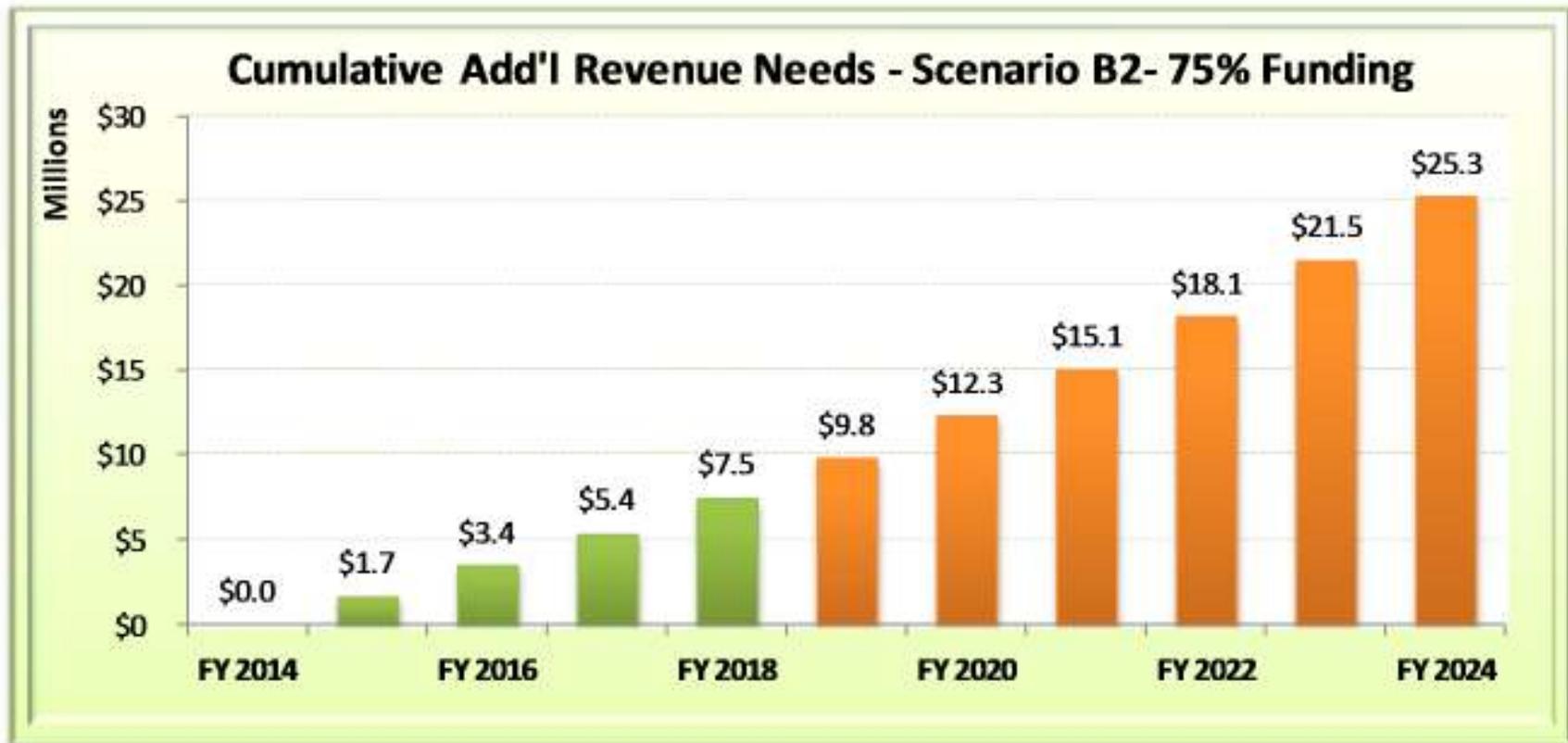


WW Scenario B2 CIP – 75% Funding

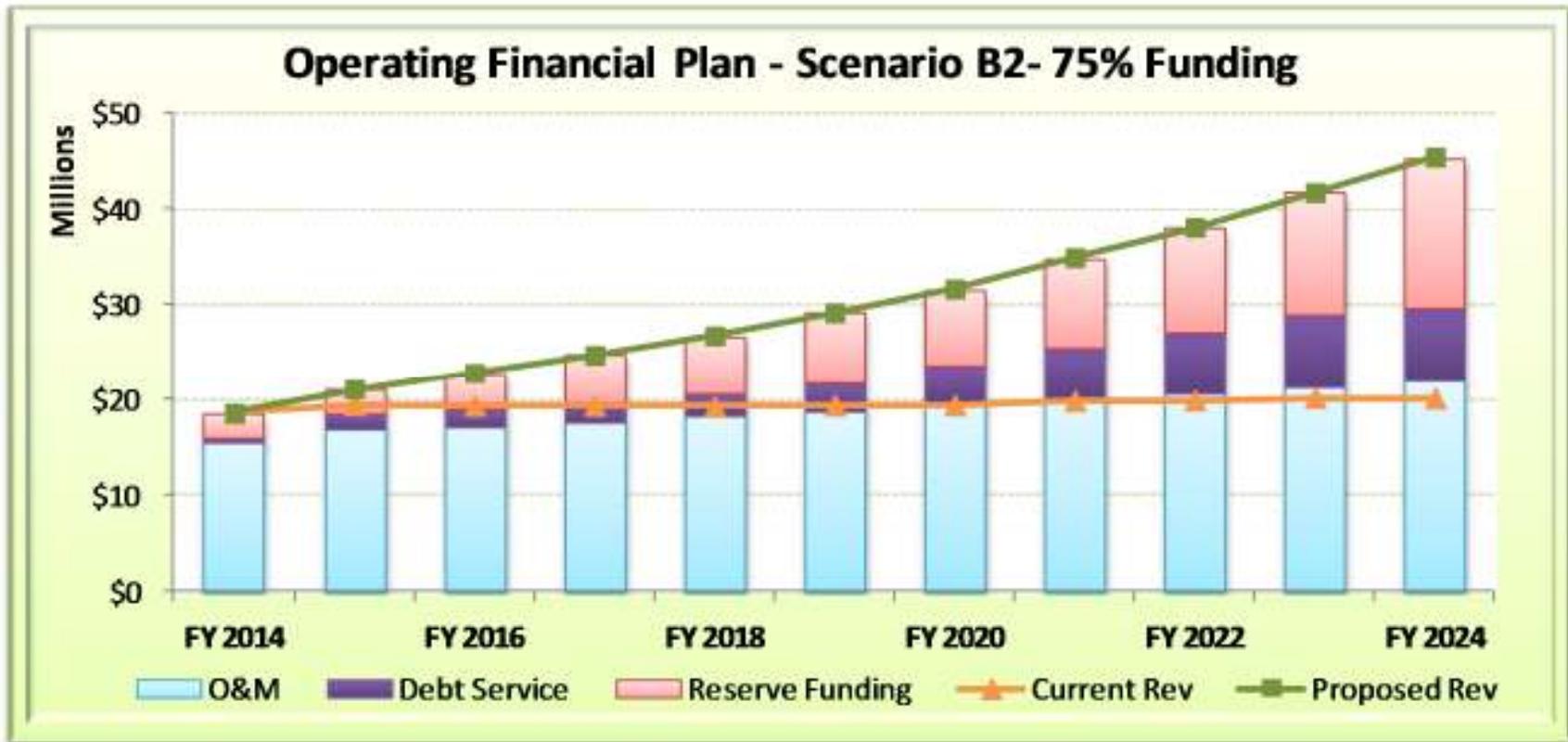


Total CIP = \$178.4M Proposed debt funding percentage – 50% of CIP

WW Scenario B2 – Revenue Adjustments



WW Scenario B2 – Operating FP



WATER PROPOSED RATES

FY 2015-2018

Proposed Water Rates – Scenario B

Bi-Monthly Rates	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Bi-Monthly Service Charge					
Meter Size					
3/4"	\$25.11	\$26.98	\$28.60	\$30.32	\$32.14
1"	\$38.35	\$40.89	\$43.35	\$45.96	\$48.72
1 1/2"	\$71.46	\$75.66	\$80.20	\$85.02	\$90.13
2"	\$111.20	\$117.39	\$124.44	\$131.91	\$139.83
3"	\$237.00	\$249.52	\$264.50	\$280.37	\$297.20
4"	\$422.41	\$444.25	\$470.91	\$499.17	\$529.13
6"	\$866.05	\$910.20	\$964.82	\$1,022.71	\$1,084.08
8"	\$1,594.43	\$1,675.20	\$1,775.72	\$1,882.27	\$1,995.21
10"	\$2,521.46	\$2,648.83	\$2,807.76	\$2,976.23	\$3,154.81
12"	\$3,316.05	\$3,483.37	\$3,692.38	\$3,913.93	\$4,148.77

Proposed Water Rates – Scenario B

Bi-Monthly Rates	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Bi-Monthly Fireline Charge					
Meter Size					
1" Ubranch	\$6.47	\$7.03	\$7.46	\$7.91	\$8.39
1"	\$6.47	\$7.03	\$7.46	\$7.91	\$8.39
1 1/2"	\$6.47	\$7.03	\$7.46	\$7.91	\$8.39
2"	\$6.47	\$7.03	\$7.46	\$7.91	\$8.39
3"	\$18.78	\$20.43	\$21.66	\$22.96	\$24.34
4"	\$40.00	\$43.54	\$46.15	\$48.92	\$51.86
6"	\$116.20	\$126.46	\$134.06	\$142.11	\$150.64
8"	\$247.61	\$269.50	\$285.67	\$302.82	\$320.99
10"	\$445.29	\$484.65	\$513.74	\$544.57	\$577.25
12"	\$719.26	\$782.85	\$829.83	\$879.62	\$932.40

Proposed Water Rates – Scenario B

Bi-Monthly Rates		Current	Effective			
		Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Volume Rates (\$/hcf)						
SFR						
Tier 1	0 to 14	\$2.15	\$2.20	\$2.34	\$2.49	\$2.64
Tier 2	15 to 30	\$2.92	\$3.09	\$3.28	\$3.48	\$3.69
Tier 3	> 30	\$4.79	\$5.21	\$5.53	\$5.87	\$6.23
MFR						
Tier 1	0 to 10	\$2.15	\$2.20	\$2.34	\$2.49	\$2.64
Tier 2	11 to 16	\$2.92	\$3.09	\$3.28	\$3.48	\$3.69
Tier 3	> 16	\$4.79	\$5.21	\$5.53	\$5.87	\$6.23
Non-Residential		\$2.70	\$2.85	\$3.03	\$3.22	\$3.42
Institutional/Interruptible Rate		\$2.15	\$2.19	\$2.33	\$2.47	\$2.62
Reclaimed Water		\$0.68	\$0.76	\$0.81	\$0.86	\$0.92
Untreated Water		\$2.04	\$2.28	\$2.42	\$2.57	\$2.73
Outside City Rates		\$0.76/hcf	\$0.60 /hcf	\$0.60 /hcf	\$0.60 /hcf	\$0.60 /hcf

Residential Bi-monthly Impacts Water – Scenario B

SFR	Bi-monthly Usage (hcf)	Current Bill	FY 2015 Bill	FY 2016 Bill	FY 2017 Bill	FY 2018 Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	\$35.86	\$37.98	\$40.30	\$42.77	\$45.34	\$2.12	\$2.32	\$2.47	\$2.57
Low	12	\$50.91	\$53.38	\$56.68	\$60.20	\$63.82	\$2.47	\$3.30	\$3.52	\$3.62
Average	21	\$75.65	\$79.41	\$84.32	\$89.54	\$94.93	\$3.76	\$4.91	\$5.22	\$5.39
High	35	\$125.9	\$133.27	\$141.49	\$150.21	\$159.29	\$7.39	\$8.22	\$8.72	\$9.08
Very High	50	\$197.73	\$211.42	\$224.44	\$238.26	\$252.74	\$13.69	\$13.02	\$13.82	\$14.48

Note: Assume 3/4" meter

MFR	Bi-monthly Usage (hcf)	Current Bill	FY 2015 Bill	FY 2016 Bill	FY 2017 Bill	FY 2018 Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	\$31.56	\$33.58	\$35.62	\$37.79	\$40.06	\$2.02	\$2.04	\$2.17	\$2.27
Low	8	\$42.31	\$44.58	\$47.32	\$50.24	\$53.26	\$2.27	\$2.74	\$2.92	\$3.02
Average	13	\$55.37	\$58.25	\$61.84	\$65.66	\$69.61	\$2.88	\$3.59	\$3.82	\$3.95
High	22	\$92.87	\$98.78	\$104.86	\$111.32	\$118.06	\$5.91	\$6.08	\$6.46	\$6.74
Very High	35	\$155.14	\$166.51	\$176.75	\$187.63	\$199.05	\$11.37	\$10.24	\$10.88	\$11.42

Note: Assume 3/4" meter

Proposed Water Rates – Scenario B2

Bi-Monthly Rates	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Bi-Monthly Service Charge					
Meter Size					
3/4"	\$25.11	\$27.30	\$29.28	\$31.41	\$33.69
1"	\$38.35	\$41.36	\$44.36	\$47.58	\$51.03
1 1/2"	\$71.46	\$76.50	\$82.05	\$88.00	\$94.38
2"	\$111.20	\$118.68	\$127.29	\$136.52	\$146.42
3"	\$237.00	\$252.23	\$270.52	\$290.14	\$311.18
4"	\$422.41	\$449.05	\$481.61	\$516.53	\$553.98
6"	\$866.05	\$920.00	\$986.70	\$1,058.24	\$1,134.97
8"	\$1,594.43	\$1,693.21	\$1,815.97	\$1,947.63	\$2,088.84
10"	\$2,521.46	\$2,677.29	\$2,871.40	\$3,079.58	\$3,302.85
12"	\$3,316.05	\$3,520.79	\$3,776.05	\$4,049.82	\$4,343.44

Proposed Water Rates – Scenario B2

Bi-Monthly Rates	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Bi-Monthly Fireline Charge					
Meter Size					
1" Ubranch	\$6.47	\$7.11	\$7.63	\$8.19	\$8.79
1"	\$6.47	\$7.11	\$7.63	\$8.19	\$8.79
1 1/2"	\$6.47	\$7.11	\$7.63	\$8.19	\$8.79
2"	\$6.47	\$7.11	\$7.63	\$8.19	\$8.79
3"	\$18.78	\$20.65	\$22.15	\$23.76	\$25.49
4"	\$40.00	\$44.00	\$47.19	\$50.62	\$54.29
6"	\$116.20	\$127.81	\$137.08	\$147.02	\$157.68
8"	\$247.61	\$272.36	\$292.11	\$313.29	\$336.01
10"	\$445.29	\$489.79	\$525.31	\$563.40	\$604.25
12"	\$719.26	\$791.15	\$848.52	\$910.04	\$976.02

Proposed Water Rates – Scenario B2

Bi-Monthly Rates		Current	Effective			
		Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Volume Rates (\$/hcf)						
SFR						
Tier 1	0 to 14	\$2.15	\$2.23	\$2.40	\$2.58	\$2.77
Tier 2	15 to 30	\$2.92	\$3.12	\$3.35	\$3.60	\$3.87
Tier 3	> 30	\$4.79	\$5.27	\$5.66	\$6.08	\$6.53
MFR						
Tier 1	0 to 10	\$2.15	\$2.23	\$2.40	\$2.58	\$2.77
Tier 2	11 to 16	\$2.92	\$3.12	\$3.35	\$3.60	\$3.87
Tier 3	> 16	\$4.79	\$5.27	\$5.66	\$6.08	\$6.53
Non-Residential		\$2.70	\$2.88	\$3.09	\$3.32	\$3.57
Institutional/Interruptible Rate		\$2.15	\$2.22	\$2.39	\$2.57	\$2.76
Reclaimed Water		\$0.68	\$0.76	\$0.82	\$0.88	\$0.95
Untreated Water		\$2.04	\$2.32	\$2.49	\$2.68	\$2.88
Outside City Rates		\$0.76/hcf	\$0.60 /hcf	\$0.60 /hcf	\$0.60 /hcf	\$0.60 /hcf

Residential Bi-monthly Impacts Water – Scenario B2

SFR	Bi-monthly Usage (hcf)	Current Bill	FY 2015 Bill	FY 2016 Bill	FY 2017 Bill	FY 2018 Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	\$35.86	\$38.45	\$41.28	\$44.31	\$47.54	\$2.59	\$2.83	\$3.03	\$3.23
Low	12	\$50.91	\$54.06	\$58.08	\$62.37	\$66.93	\$3.15	\$4.02	\$4.29	\$4.56
Average	21	\$75.65	\$80.36	\$86.33	\$92.73	\$99.56	\$4.71	\$5.97	\$6.40	\$6.83
High	35	\$125.9	\$134.79	\$144.78	\$155.53	\$167.04	\$8.91	\$9.99	\$10.75	\$11.51
Very High	50	\$197.73	\$213.84	\$229.68	\$246.73	\$264.99	\$16.11	\$15.84	\$17.05	\$18.26

Note: Assume 3/4" meter

MFR	Bi-monthly Usage (hcf)	Current Bill	FY 2015 Bill	FY 2016 Bill	FY 2017 Bill	FY 2018 Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	\$31.56	\$33.99	\$36.48	\$39.15	\$42.00	\$2.43	\$2.49	\$2.67	\$2.85
Low	8	\$42.31	\$45.14	\$48.48	\$52.05	\$55.85	\$2.83	\$3.34	\$3.57	\$3.80
Average	13	\$55.37	\$58.96	\$63.33	\$68.01	\$73.00	\$3.59	\$4.37	\$4.68	\$4.99
High	22	\$92.87	\$99.94	\$107.34	\$115.29	\$123.79	\$7.07	\$7.40	\$7.95	\$8.50
Very High	35	\$155.14	\$168.45	\$180.92	\$194.33	\$208.68	\$13.31	\$12.47	\$13.41	\$14.35

Note: Assume 3/4" meter

WASTEWATER PROPOSED RATES FY 2015-2018

Proposed WW Rates – Scenario B

	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
SFR					
Bi-monthly Fixed Charge	\$18.35	\$19.69	\$21.12	\$22.66	\$24.31
Bi-monthly Flow Charge*	\$2.78	\$2.87	\$3.08	\$3.31	\$3.55
Maximum Bill (cap at 30 hcf)	\$101.75	\$105.79	\$113.52	\$121.96	\$130.81
Max Estuary Protection Fund Charge	\$4.07	\$6.35	\$9.08	\$12.20	\$13.08
MFR					
Bi-monthly Fixed Charge	\$13.58	\$14.57	\$15.63	\$16.77	\$17.99
Bi-monthly Flow Charge*	\$2.78	\$2.87	\$3.08	\$3.31	\$3.55
Maximum Bill (cap at 24 hcf)	\$80.30	\$83.45	\$89.55	\$96.21	\$103.19
Max Estuary Protection Fund Charge	\$3.21	\$5.01	\$7.16	\$9.62	\$10.32
Estuary Protection Fund Charge	4% of bill	6% of bill	8% of bill	10% of bill	10% of bill

*Based on average winter usage for 2 full billing cycles for bills received February through May

Proposed WW Rates – Scenario B

	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Commercial					
Bi-monthly Fixed Charge	\$18.35	\$19.69	\$21.12	\$22.66	\$24.31
Bi-monthly Flow Charge**					
Group 1	\$3.26	\$3.78	\$4.06	\$4.36	\$4.68
Group 2	\$3.72	\$4.30	\$4.62	\$4.96	\$5.32
Group 3	\$4.80	\$5.53	\$5.94	\$6.38	\$6.85
Group 4	\$5.84	\$6.84	\$7.34	\$7.88	\$8.46
Group 5	\$5.33	\$6.08	\$6.53	\$7.01	\$7.52
Group 6	\$1.13	\$1.32	\$1.42	\$1.53	\$1.65
Churches	\$2.43	\$2.82	\$3.03	\$3.25	\$3.49
Schools (100 ADA)	\$133.25	\$154.24	\$165.43	\$177.43	\$190.30
Industrial (Monthly)					
Flow (MG)	\$3,835.63	\$4,455.98	\$4,779.04	\$5,125.53	\$5,497.14
COD (klbs)	\$159.08	\$171.84	\$184.30	\$197.67	\$212.01
SS (klbs)	\$294.92	\$371.70	\$398.65	\$427.56	\$458.56
Estuary Protection Fund Charge	4% of bill	6% of bill	8% of bill	10% of bill	10% of bill

** Based on actual water usage



Residential Bi-monthly Impacts WW – Scenario B

SFR	Winter Use (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	\$33.54	\$36.08	\$39.44	\$43.13	\$46.27	\$2.54	\$3.36	\$3.69	\$3.14
Low	10	\$48.00	\$51.29	\$56.07	\$61.34	\$65.79	\$3.30	\$4.78	\$5.26	\$4.46
Average	15	\$62.45	\$66.50	\$72.71	\$79.54	\$85.32	\$4.05	\$6.20	\$6.84	\$5.78
High	25	\$91.36	\$96.93	\$105.97	\$115.95	\$124.37	\$5.56	\$9.04	\$9.98	\$8.42
Very High	30	\$105.82	\$112.14	\$122.60	\$134.16	\$143.89	\$6.32	\$10.46	\$11.55	\$9.74

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

MFR	Winter Use (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	\$22.80	\$24.57	\$26.86	\$29.37	\$31.50	\$1.77	\$2.29	\$2.51	\$2.13
Low	6	\$31.47	\$33.70	\$36.84	\$40.29	\$43.22	\$2.23	\$3.14	\$3.45	\$2.93
Average	10	\$43.04	\$45.87	\$50.14	\$54.86	\$58.84	\$2.83	\$4.28	\$4.71	\$3.98
High	15	\$57.49	\$61.08	\$66.78	\$73.06	\$78.36	\$3.59	\$5.70	\$6.29	\$5.30
Very High	24	\$83.51	\$88.46	\$96.71	\$105.83	\$113.51	\$4.94	\$8.26	\$9.12	\$7.68

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

Commercial Bi-monthly Impacts WW – Scenario B

Commercial	Bi-Monthly Usage	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Group 1	70	\$256.41	\$301.35	\$329.75	\$360.65	\$387.10	\$44.94	\$28.40	\$30.90	\$26.46
Group 2	331	\$1,299.66	\$1,529.57	\$1,674.37	\$1,830.86	\$1,963.75	\$229.91	\$144.80	\$156.49	\$132.89
Group 3	923	\$4,626.70	\$5,431.31	\$5,944.04	\$6,502.54	\$6,981.55	\$804.61	\$512.73	\$558.50	\$479.01
Group 4	147	\$911.90	\$1,086.68	\$1,188.11	\$1,299.12	\$1,394.72	\$174.78	\$101.43	\$111.01	\$95.60
Group 5	122	\$695.35	\$807.14	\$883.20	\$965.67	\$1,035.93	\$111.78	\$76.07	\$82.47	\$70.26
Group 6	200	\$254.12	\$300.71	\$329.53	\$361.53	\$389.74	\$46.59	\$28.82	\$32.00	\$28.22
Schools	704 ADA	\$938.08	\$1,151.00	\$1,257.80	\$1,374.02	\$1,473.68	\$212.92	\$106.80	\$116.22	\$99.67
Churches	242	\$606.41	\$744.26	\$814.73	\$890.08	\$955.78	\$137.85	\$70.47	\$75.35	\$65.70

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

Proposed WW Rates – Scenario B2

	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
SFR					
Bi-monthly Fixed Charge	\$18.35	\$19.96	\$21.71	\$23.61	\$25.68
Bi-monthly Flow Charge*	\$2.78	\$2.91	\$3.17	\$3.45	\$3.76
Maximum Bill (cap at 30 hcf)	\$101.75	\$107.26	\$116.81	\$127.11	\$138.48
Max Estuary Protection Fund Charge	\$4.07	\$6.44	\$9.34	\$12.71	\$13.85
MFR					
Bi-monthly Fixed Charge	\$13.58	\$14.77	\$16.07	\$17.48	\$19.01
Bi-monthly Flow Charge*	\$2.78	\$2.91	\$3.17	\$3.45	\$3.76
Maximum Bill (cap at 24 hcf)	\$80.30	\$84.61	\$92.15	\$100.28	\$109.25
Max Estuary Protection Fund Charge	\$3.21	\$5.08	\$7.37	\$10.03	\$10.93
Estuary Protection Fund Charge	4% of bill	6% of bill	8% of bill	10% of bill	10% of bill

*Based on average winter usage for 2 full billing cycles for bills received February through May

Proposed WW Rates – Scenario B2

	Current	Effective			
	Rates	July 1, 2014	July 1, 2015	July 1, 2016	July 1, 2017
Commercial					
Bi-monthly Fixed Charge	\$18.35	\$19.96	\$21.71	\$23.61	\$25.68
Bi-monthly Flow Charge**					
Group 1	\$3.26	\$3.83	\$4.17	\$4.54	\$4.94
Group 2	\$3.72	\$4.36	\$4.75	\$5.17	\$5.63
Group 3	\$4.80	\$5.61	\$6.11	\$6.65	\$7.24
Group 4	\$5.84	\$6.93	\$7.54	\$8.20	\$8.92
Group 5	\$5.33	\$6.17	\$6.71	\$7.30	\$7.94
Group 6	\$1.13	\$1.34	\$1.46	\$1.59	\$1.73
Churches	\$2.43	\$2.85	\$3.10	\$3.38	\$3.68
Schools (100 ADA)	\$133.25	\$156.38	\$170.07	\$184.96	\$201.15
Industrial (Monthly)					
Flow (MG)	\$3,835.63	\$4,517.46	\$4,912.74	\$5,342.61	\$5,810.09
COD (klbs)	\$159.08	\$174.31	\$189.57	\$206.16	\$224.20
SS (klbs)	\$294.92	\$377.04	\$410.04	\$445.92	\$484.94
Estuary Protection Fund Charge	4% of bill	6% of bill	8% of bill	10% of bill	10% of bill

** Based on actual water usage

Residential Bi-monthly Impacts WW – Scenario B2

SFR	Winter Use (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	\$33.54	\$36.58	\$40.56	\$44.95	\$48.93	\$3.04	\$3.98	\$4.38	\$3.98
Low	10	\$48.00	\$52.00	\$57.68	\$63.92	\$69.61	\$4.01	\$5.68	\$6.24	\$5.69
Average	15	\$62.45	\$67.43	\$74.80	\$82.90	\$90.29	\$4.97	\$7.37	\$8.10	\$7.39
High	25	\$91.36	\$98.27	\$109.04	\$120.85	\$131.65	\$6.91	\$10.76	\$11.81	\$10.80
Very High	30	\$105.82	\$113.70	\$126.15	\$139.82	\$152.33	\$7.88	\$12.46	\$13.67	\$12.51

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

MFR	Winter Use (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	\$22.80	\$24.91	\$27.63	\$30.61	\$33.32	\$2.11	\$2.72	\$2.99	\$2.71
Low	6	\$31.47	\$34.16	\$37.90	\$42.00	\$45.73	\$2.69	\$3.73	\$4.10	\$3.73
Average	10	\$43.04	\$46.50	\$51.59	\$57.18	\$62.27	\$3.47	\$5.09	\$5.59	\$5.09
High	15	\$57.49	\$61.93	\$68.71	\$76.15	\$82.95	\$4.43	\$6.78	\$7.44	\$6.80
Very High	24	\$83.51	\$89.69	\$99.52	\$110.31	\$120.18	\$6.17	\$9.84	\$10.79	\$9.87

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

Commercial Bi-monthly Impacts WW – Scenario B2

Commercial	Bi-Monthly Usage	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Group 1	70	\$256.41	\$305.34	\$338.70	\$375.55	\$408.63	\$48.93	\$33.36	\$36.85	\$33.08
Group 2	331	\$1,299.66	\$1,550.91	\$1,721.48	\$1,908.37	\$2,078.13	\$251.25	\$170.57	\$186.89	\$169.76
Group 3	923	\$4,626.70	\$5,509.87	\$6,114.14	\$6,777.72	\$7,379.02	\$883.17	\$604.27	\$663.58	\$601.30
Group 4	147	\$911.90	\$1,100.99	\$1,220.50	\$1,351.91	\$1,470.61	\$189.09	\$119.51	\$131.41	\$118.70
Group 5	122	\$695.35	\$819.06	\$907.56	\$1,005.63	\$1,093.80	\$123.71	\$88.49	\$98.07	\$88.16
Group 6	200	\$254.12	\$305.24	\$338.81	\$375.77	\$408.85	\$51.11	\$33.57	\$36.96	\$33.08
Schools	704 ADA	\$938.08	\$1,166.97	\$1,293.08	\$1,432.33	\$1,557.71	\$228.89	\$126.11	\$139.25	\$125.38
Churches	242	\$606.41	\$752.24	\$833.66	\$925.73	\$1,007.86	\$145.83	\$81.42	\$92.06	\$82.14

Note: Estuary surcharge ranges from 6% in FY 2015 to 10% in FY 2018

Combined W & WW Residential Bi-monthly Impacts – Scenario B

SFR	Winter Use (hcf)	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	5	\$69.40	\$74.06	\$79.74	\$85.90	\$91.61	\$4.66	\$5.68	\$6.16	\$5.71
Low	10	12	\$98.91	\$104.67	\$112.75	\$121.54	\$129.61	\$5.77	\$8.08	\$8.78	\$8.07
Average	15	21	\$138.10	\$145.91	\$157.03	\$169.08	\$180.25	\$7.81	\$11.11	\$12.06	\$11.17
High	25	35	\$217.24	\$230.20	\$247.46	\$266.16	\$283.66	\$12.95	\$17.26	\$18.70	\$17.50
Very High	30	50	\$303.55	\$323.56	\$347.04	\$372.42	\$396.63	\$20.01	\$23.48	\$25.37	\$24.22

Note: Assume 3/4" meter

MFR	Winter Use (hcf)	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	3	\$54.36	\$58.15	\$62.48	\$67.16	\$71.56	\$3.79	\$4.33	\$4.68	\$4.40
Low	6	8	\$73.78	\$78.28	\$84.16	\$90.53	\$96.48	\$4.50	\$5.88	\$6.37	\$5.95
Average	10	13	\$98.41	\$104.12	\$111.98	\$120.52	\$128.45	\$5.71	\$7.87	\$8.53	\$7.93
High	15	22	\$150.36	\$159.86	\$171.64	\$184.38	\$196.42	\$9.50	\$11.78	\$12.75	\$12.04
Very High	24	35	\$238.65	\$254.97	\$273.46	\$293.46	\$312.56	\$16.32	\$18.50	\$20.00	\$19.10

Note: Assume 3/4" meter

Combined W & WW Commercial Bi-monthly Impacts – Scenario B

Non-Residential	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Group 1	70	\$483.76	\$541.74	\$585.20	\$632.01	\$675.22	\$57.98	\$43.46	\$46.81	\$43.22
Group 2	331	\$2,231.71	\$2,513.81	\$2,720.65	\$2,942.64	\$3,144.49	\$282.10	\$206.84	\$221.99	\$201.85
Group 3	923	\$7,157.15	\$8,102.75	\$8,784.08	\$9,520.56	\$10,186.93	\$945.60	\$681.33	\$736.48	\$666.37
Group 4	147	\$1,347.15	\$1,546.52	\$1,676.87	\$1,818.42	\$1,946.18	\$199.37	\$130.35	\$141.55	\$127.76
Group 5	122	\$1,063.10	\$1,195.73	\$1,296.21	\$1,404.47	\$1,501.89	\$132.62	\$100.49	\$108.26	\$97.42
Group 6	200	\$832.47	\$911.60	\$978.88	\$1,051.49	\$1,122.46	\$79.13	\$67.28	\$72.61	\$70.97
Schools	704 ADA	\$2,326.43	\$2,616.89	\$2,816.15	\$3,029.98	\$3,232.40	\$290.46	\$199.26	\$213.83	\$202.43
Churches	242	\$1,298.16	\$1,474.85	\$1,591.34	\$1,715.28	\$1,832.14	\$176.69	\$116.49	\$123.94	\$116.86

Note: Assume 1" meter, bi-monthly usage for schools is 500 hcf.

Combined W & WW Residential Bi-monthly Impacts – Scenario B2

SFR	Winter Use (hcf)	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	5	5	\$69.40	\$75.03	\$81.84	\$89.26	\$96.47	\$5.63	\$6.81	\$7.41	\$7.21
Low	10	12	\$98.91	\$106.06	\$115.76	\$126.29	\$136.54	\$7.16	\$9.70	\$10.53	\$10.25
Average	15	21	\$138.10	\$147.79	\$161.13	\$175.63	\$189.85	\$9.68	\$13.34	\$14.50	\$14.22
High	25	35	\$217.24	\$233.06	\$253.82	\$276.38	\$298.69	\$15.82	\$20.75	\$22.56	\$22.31
Very High	30	50	\$303.55	\$327.54	\$355.83	\$386.55	\$417.32	\$23.99	\$28.30	\$30.72	\$30.77

Note: Assume 3/4" meter

MFR	Winter Use (hcf)	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Very Low	3	3	\$54.36	\$58.90	\$64.11	\$69.76	\$75.32	\$4.54	\$5.21	\$5.66	\$5.56
Low	6	8	\$73.78	\$79.30	\$86.38	\$94.05	\$101.58	\$5.52	\$7.07	\$7.67	\$7.53
Average	10	13	\$98.41	\$105.46	\$114.92	\$125.19	\$135.27	\$7.06	\$9.46	\$10.27	\$10.08
High	15	22	\$150.36	\$161.87	\$176.05	\$191.44	\$206.74	\$11.50	\$14.18	\$15.39	\$15.30
Very High	24	35	\$238.65	\$258.14	\$280.44	\$304.64	\$328.86	\$19.48	\$22.31	\$24.20	\$24.22

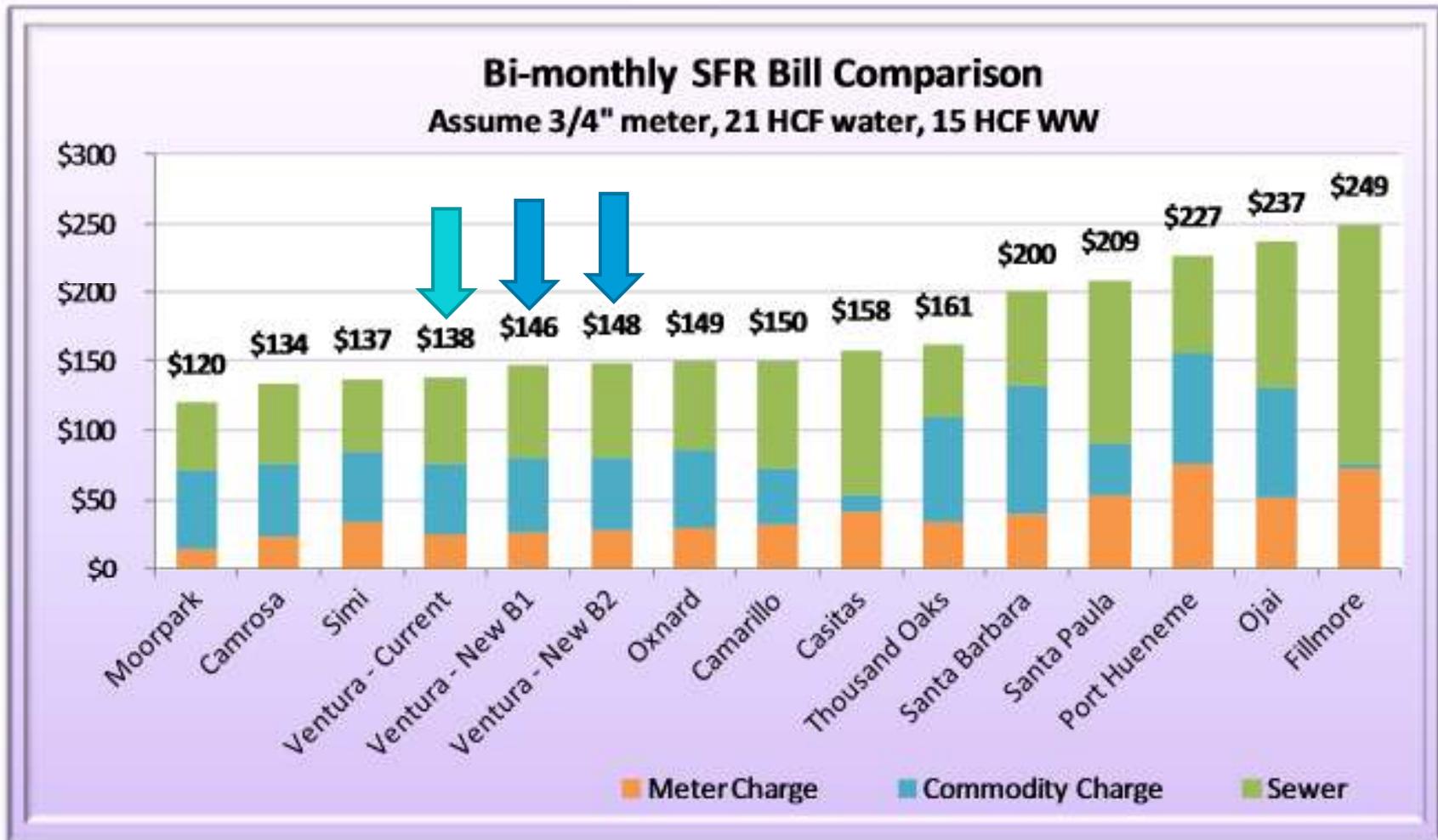
Note: Assume 3/4" meter

Combined W & WW Commercial Bi-monthly Impacts – Scenario B2

Non-Residential	Bi-monthly Usage (hcf)	Current Total Bill	FY 2015 Total Bill	FY 2016 Total Bill	FY 2017 Total Bill	FY 2018 Total Bill	FY 2015 Δ prior year	FY 2016 Δ prior year	FY 2017 Δ prior year	FY 2018 Δ prior year
Group 1	70	\$483.76	\$548.30	\$599.36	\$655.53	\$709.56	\$64.54	\$51.06	\$56.17	\$54.03
Group 2	331	\$2,231.71	\$2,545.55	\$2,788.63	\$3,054.87	\$3,310.83	\$313.84	\$243.08	\$266.24	\$255.96
Group 3	923	\$7,157.15	\$8,209.47	\$9,010.57	\$9,889.66	\$10,725.16	\$1,052.32	\$801.10	\$879.09	\$835.50
Group 4	147	\$1,347.15	\$1,565.71	\$1,719.09	\$1,887.53	\$2,046.43	\$218.56	\$153.38	\$168.44	\$158.90
Group 5	122	\$1,063.10	\$1,211.78	\$1,328.90	\$1,458.25	\$1,580.37	\$148.68	\$117.11	\$129.35	\$122.12
Group 6	200	\$832.47	\$922.60	\$1,001.17	\$1,087.35	\$1,173.88	\$90.12	\$78.57	\$86.18	\$86.53
Schools	704 ADA	\$2,326.43	\$2,648.33	\$2,882.44	\$3,139.91	\$3,393.74	\$321.90	\$234.11	\$257.47	\$253.83
Churches	242	\$1,298.16	\$1,490.56	\$1,625.80	\$1,776.75	\$1,922.83	\$192.40	\$135.24	\$150.94	\$146.09

Note: Assume 1" meter, bi-monthly usage for schools is 500 hcf.

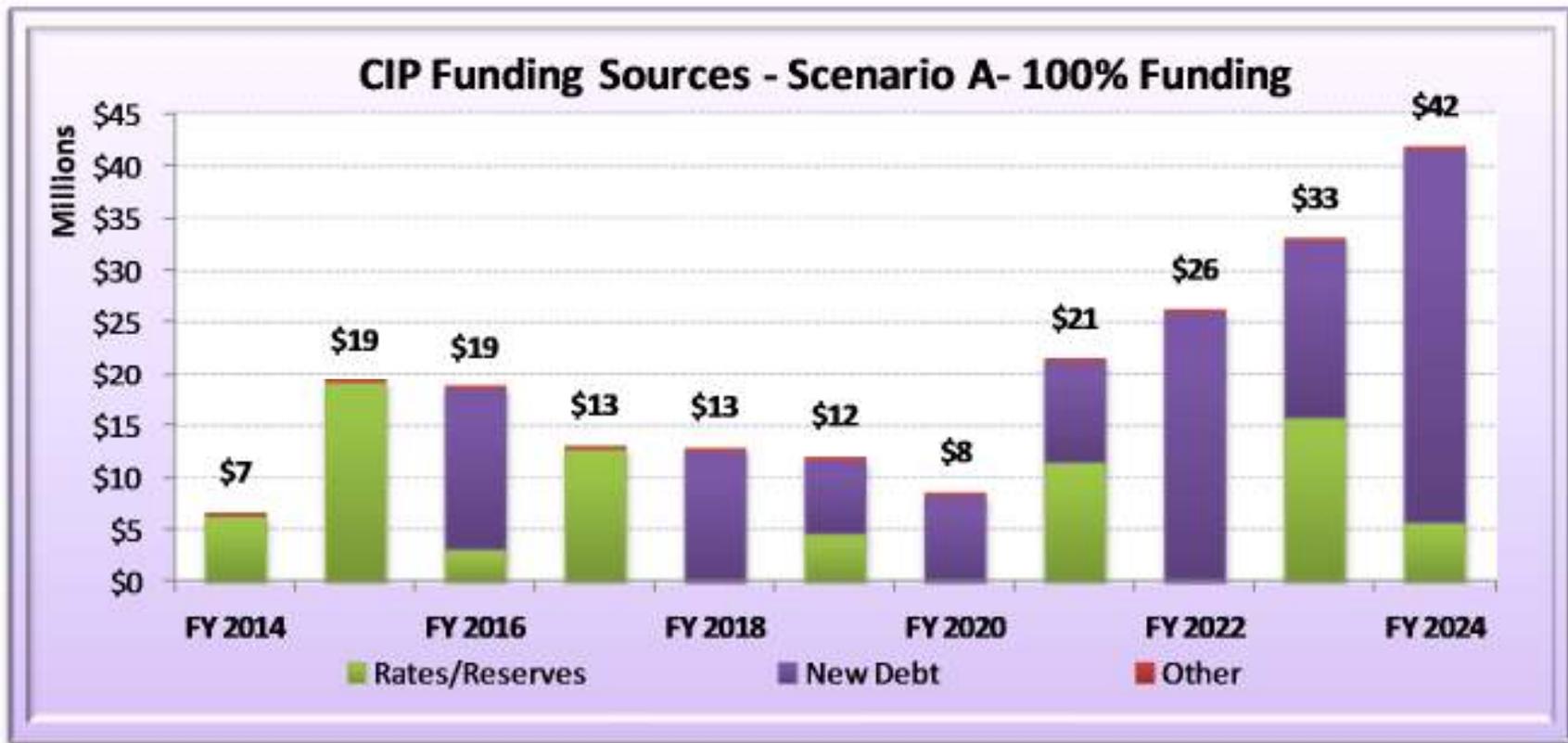
Total Bi-monthly Bill Comparison



Next Steps

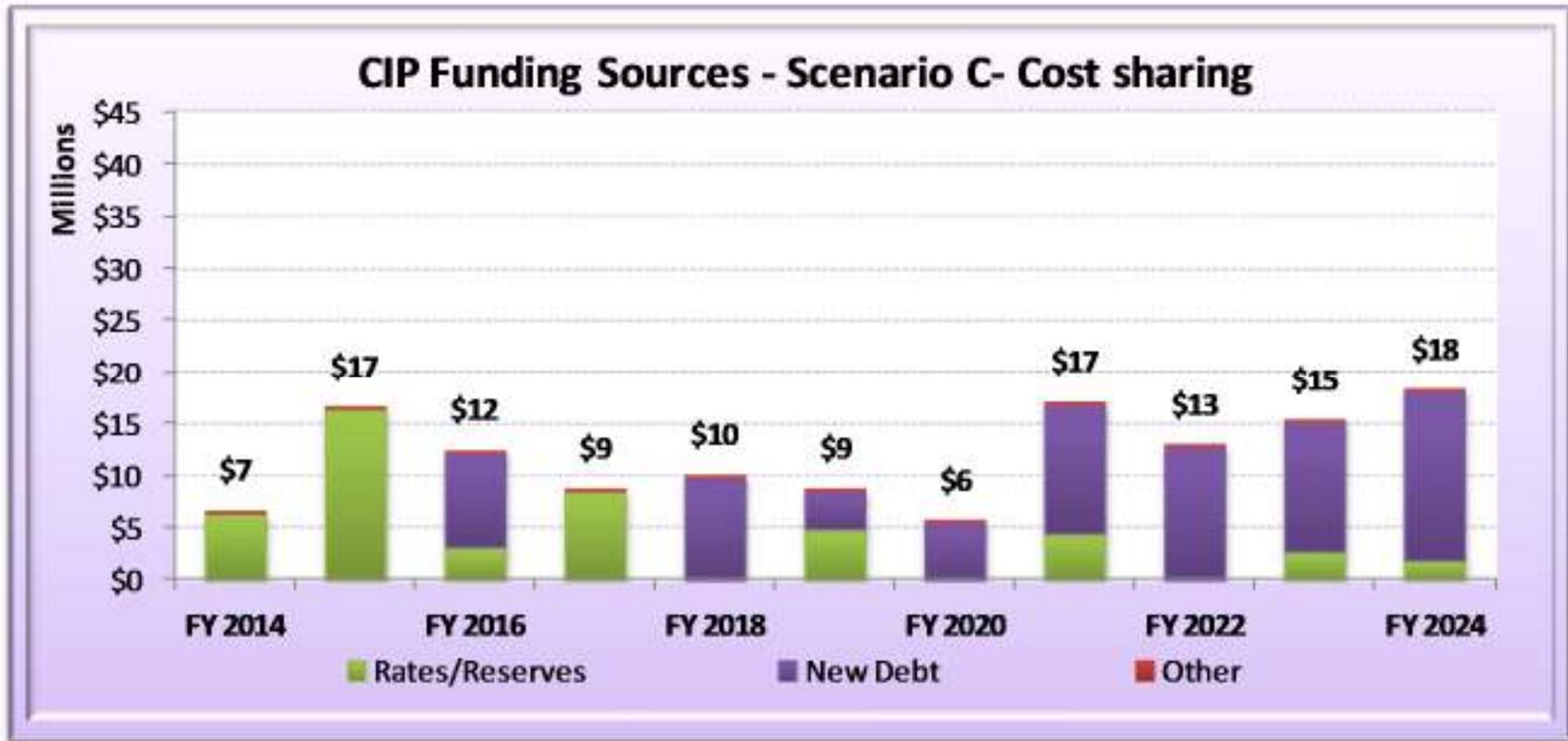
- Finalize water and wastewater rates

Water Scenario A CIP – 100% Funding



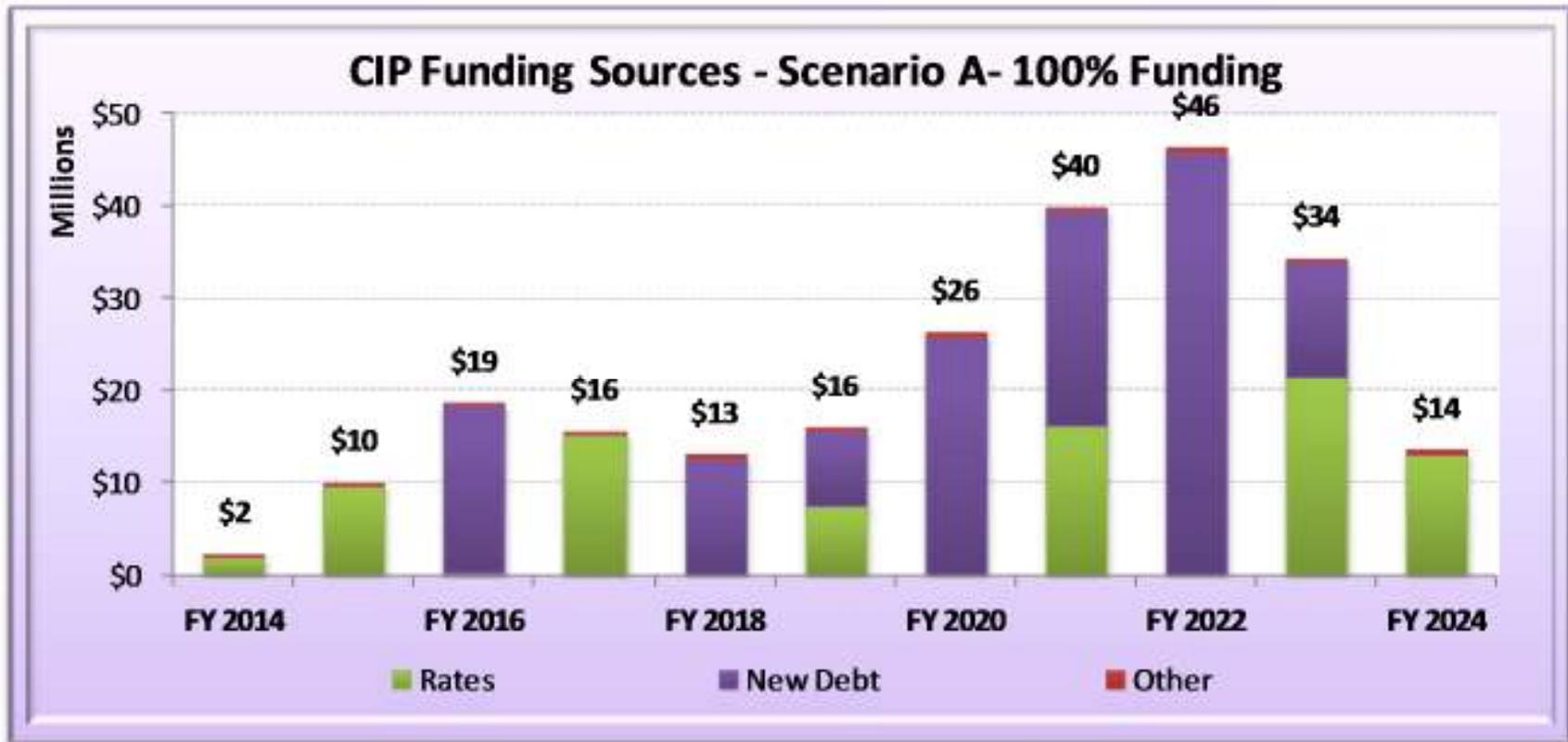
Total CIP = \$212.8M Proposed debt funding percentage – 69% of CIP

Water Scenario C CIP – Cost Sharing



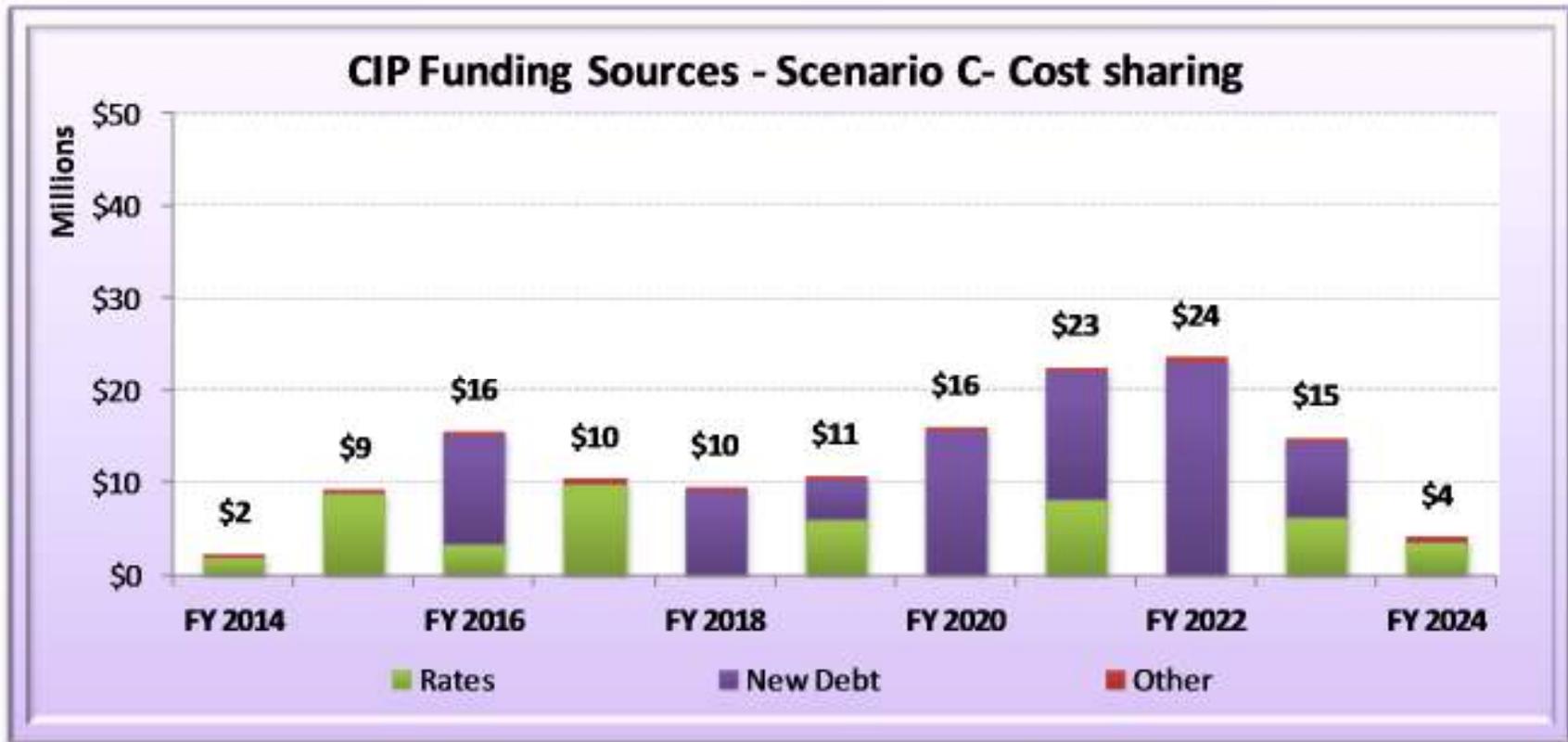
Total CIP = \$131.5M Proposed debt funding percentage – 69% of CIP

WW Scenario A CIP – 100% Funding



Total CIP = \$235.9M Proposed debt funding percentage – 69% of CIP

WW Scenario C CIP – Cost Sharing



Total CIP = \$139.1M Proposed debt funding percentage – 69% of CIP